

Converting Colors

$Yxy(45.3340, 0.3042, 0.4702)$

Have a look what the booklet for
Yxy(45.3340, 0.3042, 0.4702)
contains.

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Color

Yxy(45.4769, 0.3041, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	6AC86D
RGB	106, 200, 109
RGB Percent	42%, 78%, 43%
CMY	0.5844, 0.2157, 0.5725
CMYK	0.47, 0.00, 0.45, 0.22
HSL	122°, 46%, 60%
HSV	122°, 47%, 78%
XYZ	29.3558, 45.4769, 21.7007
YIQ	161.5200, -26.8130, -48.2290

Conversions

Conversions Part 2

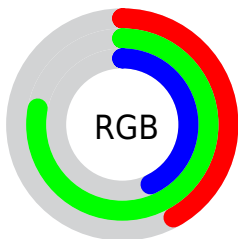
Format	Color
RYB	106, 197, 200
Decimal	6998125
CIELab	73.20, -46.53, 36.98
CIElCh	73, 59.430, 141.524
Yxy	45.4769, 0.3041, 0.4711
Android (android.graphics.Color)	4285188205 (0xFF6AC86D)
YUV	161.5200, -25.8924, -48.6910
Hunter-Lab	67.4366, -40.3111, 28.1264

Details

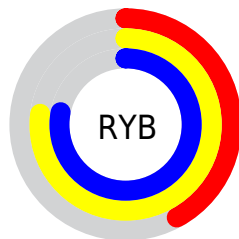
The Yxy color $45.4769, 0.3041, 0.4711$ is a dark color, and the websafe version is hex $66CC66$. A complement of this color would be $26.6114, 0.3213, 0.2190$, and the grayscale version is $36.0253, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.8100, 0.3075, 0.4400$, and $21.1949, 0.2965, 0.5180$ is the 20% darker color. If you saturate the color by 10%, you get $44.0215, 0.3024, 0.5057$, and if you desaturate by 10%, it is $47.3136, 0.3060, 0.4364$.

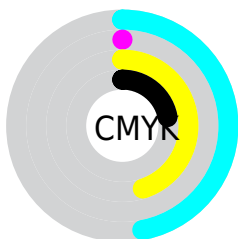
Distribution



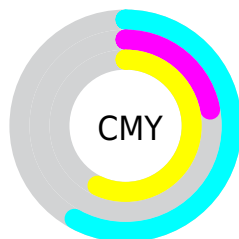
- Red (42%)
- Green (78%)
- Blue (43%)



- Red (42%)
- Yellow (77%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4769, 0.3041, 0.4711 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.4769, 0.3041, 0.4711 by changing the saturation by 10% instead.


 45.4769, 0.3041,
0.4711

 45.4769, 0.3041,
0.4711

368.7016, 0.3116,
0.3950


 31.8332, 0.3010,
0.4915


 83.4356, 0.3077,
0.4424


 21.2341, 0.2962,
0.5183

 108.5194, 0.3088,
0.4319

 13.2953, 0.2884,
0.5549


 138.1854, 0.3096,
0.4231

 7.6322, 0.2744,
0.6069

 172.8179, 0.3102,
0.4158

 3.8605, 0.2553,
0.7059

212.8014, 0.3107,
0.4094

 1.5958, 0.1372,
0.8628

258.5203, 0.3110,

 0.3548, 0.0000,

0.4040

1.0000

310.3589, 0.3113,
0.3992

■ 0.0000, 0.0000,
0.0000

■ 45.4769, 0.3041,
0.4711

■ 45.4769, 0.3041,
0.4711

■ 44.0215, 0.3024,
0.5057

■ 47.3136, 0.3060,
0.4364

■ 42.9154, 0.3010,
0.5378

■ 49.5496, 0.3079,
0.4033

■ 42.1309, 0.3000,
0.5649


■ 52.2087, 0.3098,
0.3730


■ 41.6335, 0.2996,
0.5846

■ 55.3110, 0.3116,
0.3460

■ 41.3779, 0.2996,
0.5960

■ 58.8755, 0.3132,
0.3223

 41.3265, 0.2995,
0.5982

 62.9200, 0.3146,
0.3017

 67.4614, 0.3159,
0.2840

 69.7923, 0.3152,
0.2752

Harmonies

Analogous

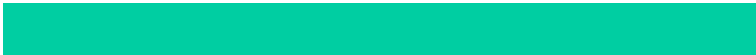
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4769, 0.3828, 0.4799



45.4769, 0.3041, 0.4711



45.4769, 0.2320, 0.4014

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.4769, 0.3041, 0.4711



45.4769, 0.1863, 0.2100



45.4769, 0.4572, 0.3215

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.4769, 0.3041, 0.4711



26.6114, 0.3213, 0.2190

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.4769, 0.3892, 0.2672



45.4769, 0.3041, 0.4711



45.4769, 0.2309, 0.2059

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.4769, 0.3041, 0.4711



45.4769, 0.1708, 0.2434



45.4769, 0.3031, 0.2264



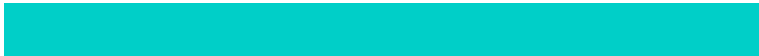
45.4769, 0.4776, 0.3815

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.4769, 0.3041, 0.4711



45.4769, 0.1974, 0.3399



45.4769, 0.3031, 0.2264



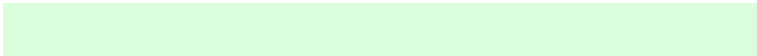
45.4769, 0.4388, 0.3024

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.4788, 0.3041, 0.4711



91.8181, 0.3103, 0.3651



54.4180, 0.3801, 0.4433



19.4133, 0.3099, 0.3712



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4788, 0.3041, 0.4711



76.2580, 0.3024, 0.5050



46.7261, 0.2768, 0.3983



11.8933, 0.3112, 0.3521



26.2770, 0.2993, 0.5976



1.2462, 0.2970, 0.5892

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.6114, 0.3213, 0.2190



39.8185, 0.3231, 0.1999



24.8298, 0.3766, 0.2703



10.8105, 0.3143, 0.3070



10.2735, 0.3291, 0.1587



0.4884, 0.3273, 0.1576

Previews

White Background



This preview shows how the Yxy color 45.4769, 0.3041, 0.4711 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.4769, 0.3041, 0.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4769, 0.3041, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 45.4769, 0.3041, 0.4711.



This preview shows how white text looks on a background with the Yxy color 45.4769, 0.3041, 0.4711.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.4769, 0.3041, 0.4711

Protanopia

44.9155, 0.3929, 0.4279

Deuteranopia

44.8338, 0.4036, 0.3956



Tritanopia

45.1904, 0.2569, 0.3079

Trichromacy



Original Color

45.4769, 0.3041, 0.4711



Protanomaly

44.3267, 0.3556, 0.4455



Deuteranomaly

43.7621, 0.3621, 0.4238



Tritanomaly

44.9264, 0.2747, 0.3647

Monochromacy



Original Color

45.4769, 0.3041, 0.4711



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.7846, 0.3095, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4769, 0.3041, 0.4711 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 200, 109)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 200, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 109) }
```

Border

The CSS property to change the border of an element to Yxy 45.4769, 0.3041, 0.4711 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 200, 109) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 200, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(106, 200, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 109);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4769, 0.3041, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
200, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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